

Be4903

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*J-40-861*

**CARBIDE AND CARBON CHEMICALS COMPANY**  
 A DIVISION OF UNION CARBIDE AND CARBON CORPORATION

~~SECRET~~

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 OAK RIDGE, TENN.

June 30, 1953

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~~SECURITY INFORMATION~~

United States Atomic Energy Commission  
 Post Office Box E  
 Oak Ridge, Tennessee

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1st Review - Date <u>6/23/53</u>	Declassification/Civil Number(s)
Authority: <input checked="" type="checkbox"/> DODC <input type="checkbox"/> DADD	1. Classification Retained
Name: <u>Mr. J. W. Gentry</u>	2. Classification Changed To:
2nd Review - Date <u>11/23/53</u>	3. Contains No DOE Classified Information
Authority: <input type="checkbox"/> ADP <input checked="" type="checkbox"/> DODC	4. Confidential Work:
Name: <u>W. B. Gent</u>	5. Declassification Certified
6. Declassification Information Enclosed	
7. Other (Specify):	

CG-DOE-R-2 6/98

Subject: Polonium Requirements for  
 Y-12 Plant

Attention: Mr. R. C. Armstrong

Listed below are the polonium requirements for the last half of the calendar year 1953 and the first half of the calendar year 1954 for the Y-12 Plant.

1 ea. Po-Be Neutron Source - Neutron emission to be between  $5 \times 10^6$  and  $10^7$  neutrons per second

This source will be needed in July, 1953 to replace Source PB-170 which has decayed to a value so low as to be unusable.

We will also need in July, 1953, 10 to 25 microcuries solution of polonium.

Very truly yours,

CARBIDE AND CARBON CHEMICALS COMPANY

Signed By L. B. EMLET

L. B. Emlet  
 Y-12 Plant Superintendent

L. B. Emlet  
 RJB:JWG:hmc

## Distribution:

- 1 & 2 Mr. R. C. Armstrong ✓
- 3 Mr. C. E. Center
- 4 Mr. W. B. Humes
- 5 Dr. C. E. Larson
- 6 Mr. R. J. Barron (Y-12 RC)
- 7 Mr. L. B. Emlet

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ORO 34025  
*Mme. R. L.*